

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
APPLICATION FOR UNITED STATES LETTERS PATENT

Title:

TASK TRAYS

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TASK TRAYS

FIELD OF THE DISCLOSURE

[0001] The present disclosure relates generally to a method and apparatus of organizing a desktop, and more specifically to trays adapted to retain files on top of a desktop.

BACKGROUND OF THE DISCLOSURE

[0002] Research has shown that people organize their work stations in one of two manners, either by piling files on their desk, or by filing them away. Those who pile generally prefer having materials at their fingertips, and prefer not to have the hassle of maintaining a highly organized work area. This is efficient if the user does not have an overbearing number of files on his or her desk. However, it is nearly inevitable that a large number of files will accumulate, and the work space will become inefficient and disorganized.

[0003] Research has further shown that various areas of a work space are used consistently, while others are virtually not used at all. Those who keep files on their desks normally keep the files in the usable space, thereby increasing the clutter and inefficiency of the work space. Those who tend to file papers in an organized manner normally file them in a space that is not used frequently, and therefore the space is generally not easily accessible.

[0004] It would be helpful to have a filing system in place that can be maintained in the useful space in the work zone. In particular, it would be helpful for those who pile to have a system which keeps the files located in an organized manner on their desktop, as they prefer. Finally, this filing system should be simple to manufacture, aesthetically pleasing, and cost effective.

BRIEF DESCRIPTION OF THE DRAWINGS

- [0005] FIG. 1 is an isometric view of a first example of a task tray.
- [0006] FIG. 2 is a top view of the task tray of FIG. 1.
- [0007] FIG. 3 is a front view of the task tray of FIG. 1.
- [0008] FIG. 4. is a right side view of the task tray of FIG. 1.
- [0009] FIG. 5 is a left side view of the task tray of FIG. 1.
- [0010] FIG. 6 is a rear view of the task tray of FIG. 1.
- [0011] FIG. 7 is an isometric view of a second example of a task tray.
- [0012] FIG. 8 is a top view of the task tray of FIG. 7.
- [0013] FIG. 9 is a right side view of the task tray of FIG. 7.
- [0014] FIG. 10 is a rear view of the task tray of FIG. 7.
- [0015] FIG. 11 is a front view of the task tray of FIG. 7.
- [0016] FIG. 12 is an isometric view of a third example of a task tray.
- [0017] FIG. 13 is a top view of the task tray of FIG. 12.
- [0018] FIG. 14 is a right side view of the task tray of FIG. 12.
- [0019] FIG. 15 is a left side view of the task tray of FIG. 12.
- [0020] FIG. 16 is a front side view of the task tray of FIG. 12.
- [0021] FIG. 17 is a section view of the task tray of FIG. 12 taken along line 17-17.
- [0022] FIG. 18 is an isometric view of a fourth example of a task tray.
- [0023] FIG. 19 is a top view of the task tray of FIG. 18.
- [0024] FIG. 20 is a right side view of the task tray of FIG. 18.

[0025] FIG. 21 is a front view of the task tray of FIG. 18.

[0026] FIG. 22 is a right side view of a plurality of task trays of FIG. 18 in a nested configuration.

[0027] FIG. 23 is an isometric view of a fifth example of a task tray.

[0028] While the disclosure is susceptible to various modifications and alternative constructions, certain illustrative embodiments thereof have been shown in the drawings and will be described below in detail. It should be understood, however, that there is no intention to limit the disclosure to the specific forms disclosed, but on the contrary, the intention is to cover all modifications, alternative constructions, and the equivalents falling within the spirit and scope of the invention as defined by the appended claims.

DETAILED DESCRIPTION

[0029] Referring now to the drawings, and particularly to FIGS. 1-6, a first example of a task tray 10 is disclosed. The task tray 10 includes a base 12, which can be plate-like and is configured to support a file 13. While in this example a file 13 is shown, it is clear that any relatively flat item can be supported by the base 12. The tray 10 is configured to be stackable such that other trays, similar or identical in construction to tray 10, may be nested inside tray 10. Further, the dimensions of the task tray 10 can be scaled such that larger files such as legal files or smaller files can be stored.

[0030] Extending upwardly from the base 12 are a first wall 14 and a second wall 16. Extending outwardly from the first wall 14 is a tab 18. Extending downwardly from the base 12 is a support wall 20. The tray 10 is generally placed on top of a surface 21 (shown in FIGS. 3 and 6), which can be a desk top, table, or any other

surface upon which a file 13 might be placed. In this example the base 12 is approximately square. This can be advantageous in that a rectangular object such as a file of 8 ½" x 11" letter-sized paper can be placed on the base 12 in either portrait or landscape orientation, i.e., the long edge of a piece of paper can be placed adjacent to either the first wall 14 or the second wall 16.

[0031] The first wall 14 has a top edge 22, and the second wall 16 has a top edge 24. The tab 18 may be placed in variable positions along the top edges 22, 24 of the first and second walls 14, 16. In this manner, when several trays 10 are stacked, the tabs 18 and all indicia on the tabs 18 have even better visibility. In a further example, all tabs 18 can be visible directly from above due to the placement of the tabs 18. The corners of the tray 10 may also be filleted and radiused to aid in stacking and to present a smooth finish.

[0032] The tab 18 is particularly useful for holding indicia that can relate to the file 13 that is being stored. This can include information on the contents or title of the file 13, a date by which the file 13 must be addressed, or other information.

[0033] In this example, the support wall 20 is triangular in shape. The base 12 does not lay flat or parallel to the surface 21 on which it is placed, but lays at an angle to the surface 21. It can therefore be seen that a high region 26 is created by the support wall 20, specifically a high point 27, as well as a low region 28, wherein the high point 27 is raised further away from the surface 21 than the low region 28.

[0034] The tray 10 can be manufactured from any material that is durable and economical. This includes plastics such as polyethylene and polypropylene. The tray 10 constructed from plastic could be molded as is known in the art or

manufactured in any other way known in the art. The tray 10 could also be constructed from wood to increase attractiveness, however, this could be costlier.

[0035] In use, a user can place the tray 10 on his or her desk or other work space. The user can then place a file 13, stack of papers, or any other relatively flat item to be stored on the base 12. In this example, the file is 8 ½" x 11", but the tray 10 can be designed to support a file of any dimension. Because of the existence of the high region 26 and the low region 28, gravity will cause the file 13 to slide from the high region 26 to the low region 28. Further, the first wall 14 and the second wall 16 extend upwardly in the low region 28. This helps to capture the file 13 on top of the base 12 and in the tray 10.

[0036] Once a tray 10 has a file 13 stored thereon, a second tray (not shown), generally similar to tray 10, can be disposed on top of the tray 10, with the file 13 supporting the second tray from beneath. It is possible that the second tray can be identical to the first tray 10. In this manner, a user can stack or nest several trays 10, one upon the other, with a file 13 in between each of the trays 10. The user can then place indicia on the tab 18 to indicate information about the file 13 in each tray 10. The thickness of the files 13 can aid in increasing the visibility of each tab 18.

[0037] Referring now to FIGS. 7-11, a second example of a task tray 40 is shown. The tray 40 includes a base 42 and first and second upstanding walls 44 and 46. Extending off the second upstanding wall 46 is a tab 48.

[0038] In the task tray 40, however, the base 42 is disposed flat, such that it sits directly against a workspace that it is placed upon. This may be desirable in that it can distribute its weight evenly over the entire base 42 with no concentrated loads such as along a support wall. The tray 40 can protect against scratches in a wood

surface. Some consumers may prefer this example as more aesthetically pleasing because the first and second walls 44 and 46 and the base 42 are disposed at, and intersect at, right angles. This example of a task tray 40 can also be easily stacked, with files interspersed between the trays 40. The bases 42 bear down directly on the files in the stack. The tabs 48 have similar visibility as that previously described for the earlier example.

[0039] FIGS. 12-17 shows a third example of a task tray 50. The task tray 50 includes a base 52, and a first upstanding wall 54 and a second upstanding wall 56. A tab 58 extends out from the first upstanding wall 56. Extending down from the base 52 is a support wall 60. This creates a high region 62, and a low region 64. Unlike in the first example, the support wall 60 is not a triangle, but is rectangular in shape. Thus, there is not a point that is highest, but a high edge 66.

[0040] The stackability of the task tray 50 is similar to that of task tray 10, and the functions of the tab 58 are also similar.

[0041] A fourth example of a task tray 70 is shown in FIGS. 18-21. The tray 70 includes a base 72 in three generally triangular base sections, first section 72a, second section 72b, and third section 72c, and three upstanding walls, first wall 74, second wall 76, and third wall 77. Extending out from the third wall 77 is a tab 78.

[0042] Extending downwards from the base 72 is a first support wall 80 and a second support wall 82. The first and second support walls 80 and 82 in this example are generally rectangular with one corner having a large radius. As such, a high region 84 and a low region 86 are formed. The high point of the tray 70 is along high edges 88.

[0043] In this example, the first and third base sections 72a and 72c act as a funnel by allowing gravity to pull files simultaneously down to the second base section 72b and to the low region 86 where the files are contained by the first, second, and third upstanding walls 74, 76, and 77. This example also includes convenient curved handle sections 90 for aiding the user in grasping and manipulating the task tray 70.

[0044] FIG. 22 shows an example of two task trays 92 and 94, having similar construction as the task tray 70, the task trays 92 and 94 being stacked upon each other. Each of the afore described examples work in a similar manner of stacking, wherein the shape of the trays facilitates such nesting. The base 72 of the top tray 94 bears down directly on the file being stored in the bottom tray 92. The upstanding walls 74 and 76 of the bottom tray 92 interact with the upstanding walls 74 and 76 of the top tray 94 such that no part of the file may escape between the upstanding walls of the top tray 94 and the bottom tray 92. In this example, the walls 74, 76 of the top tray 94 and the walls 74, 76 of the bottom tray 92 contact each other.

[0045] A fifth example of a task tray 100 is disclosed in FIG. 23. The tray 100 includes a base 102, with generally triangular base sections, first section 102a, second section 102b, and third section 102c. Extending up from the base 102 are first and second sidewalls 104 and 106. Extending downward from the base are first, second, and third support walls 108, 110, and 112. In this example, the tab 114 extends outwardly from the second support wall 110. Again, a high region 116 and a low region 118 are formed. Thus, a file to be stored in the tray 100 is retained by gravity drawing the file from the high region 116 to the low region 118, until it abuts the first and second upstanding walls 104 and 106.

[0046] From the foregoing, one of ordinary skill in the art will appreciate that the present disclosure sets forth a method and apparatus for organizing a desktop.

However, one of ordinary skill in the art could readily apply the novel teachings of this disclosure to any number of apparatuses. As such, the teachings of this disclosure shall not be considered to be limited to the specific examples disclosed herein, but to include all applications within the spirit and scope of the invention.